



MASON INDUSTRIES, Inc.

Manufacturers of Vibration Control Products

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JOB NAME _____
CUSTOMER _____
CUSTOMER P.O. _____
MASON M.I. _____
DWG. NO. _____

MAS
Rolling Lobe
Air Springs

1/2" - 13UNC
BLIND TAP 1" DEEP

(Standard Metric Tap Available
with 90 Day Lead Time)

WIRE
BEAD
RING

OPERATING
HEIGHT

"D" DIAMETER

"MD"
MAXIMUM
DIAMETER

ROLLING LOBE (Neoprene
Cover and Liner with Nylon
tire cord reinforcement)

"BH" DIAMETER
4 HOLES

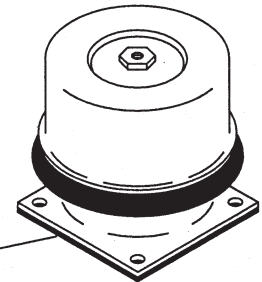
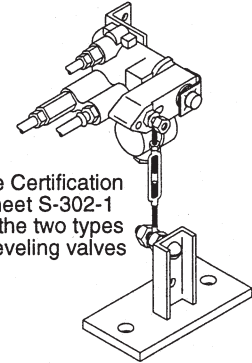
1" (25mm)

1/4" (6mm) N.P.T.
for AIR SUPPLY
and EXHAUST CONNECTION

(Standard Metric Threads
Available with 90 Day Lead Time)

All Air Spring Systems
must be installed with
Leveling Valves and
Air Supply Systems.

See Certification
Sheet S-302-1
for the two types
of leveling valves



OPTIONAL
1/4" (6mm)
FRICTION PAD
ON BOTTOM

NOTE: Frequency
based on shape of
load deflection curve.

MAS DIMENSIONS

Size	Operating Height (in)	A (in)	B (in)	D (in)	BH (in)	MD (in)
MAS-3000	8 1/4	2 1/2	6 1/8	6	1 1/32	7 1/4
MAS-6800	8 1/4	3 5/8	8 5/8	9	1 1/32	10 1/2
MAS-12000	8 1/4	4 3/4	11 1/2	12	1 5/32	14

MAS METRIC DIMENSIONS

Size	Operating Height (mm)	A (mm)	B (mm)	D (mm)	BH (mm)	MD (mm)
MAS-3000	209	64	156	152	9	184
MAS-6800	209	92	219	229	9	267
MAS-12000	209	121	292	305	12	356

MAS RATINGS

Size	Min Load at 10 psi (lbs)	Max Recommended Load at 80 psi (lbs)	Max Load at 100 psi (lbs)	APPROXIMATE FREQUENCY	
MAS-3000	300	2400	3000	84	1.4
MAS-6800	680	5440	6800	84	1.4
MAS-12000	1200	9600	12000	78	1.4

MAS METRIC RATINGS

Size	Min Load at 0.704kg/cm ² (kgs)	Max Recommended Load at 5.63kg/cm ² (kgs)	Max Load at 7.04kg/cm ² (kgs)	APPROXIMATE FREQUENCY	
MAS-3000	136	1088	1360	84	1.4
MAS-6800	309	2472	3090	84	1.4
MAS-12000	545	4360	5455	78	1.4

PLAN VIEW OF MOUNT LOCATIONS

TAG : _____

UNIT : _____



1 :	6 :
2 :	7 :
3 :	8 :
4 :	9 :
5 :	10 :
Sets Required:	